

Rogaine®

TOPICAL SOLUTION minoxidil 2%

INDICATIONS AND USAGE

Male pattern baldness (alopecia androgenetica) of the vertex of the scalp. No effect has been seen on frontal baldness. At least four months of treatment are generally required before evidence of hair growth can be expected; further growth continues through one year. The new growth is not permanent; cessation of treatment will lead to its loss in a few months.

CONTRAINDICATIONS

Hypersensitivity to minoxidil, propylene glycol or ethanol.

WARNINGS

1. *Need for normal scalp:* Before starting treatment, make sure that the patient has a normal, healthy scalp. Local abrasion or dermatitis may increase absorption and hence the risk of side effects.

2. *Potential adverse effects:* Although extensive use of topical minoxidil has not revealed evidence that enough minoxidil is absorbed to have systemic effects, greater absorption due to misuse, individual variability or unusual sensitivity could, at least theoretically, produce a systemic effect. Experience with oral minoxidil has shown the following major cardiovascular effects (Review the package insert for LONITEN® Tablets for details):

—salt and water retention, generalized and local edema
—pericardial effusion, pericarditis, tamponade
—tachycardia

—increased incidence of angina or new onset of angina

Patients with underlying heart disease, including coronary artery disease and congestive heart failure, would be at particular risk of these potential effects. Additive effects could also emerge in patients being treated for hypertension.

Potential patients should have a history and physical, should be advised of potential risks and a risk/benefit decision should be made. Heart patients should realize that adverse effects may be especially serious. Alert patients to the possibility of tachycardia and fluid retention, and monitor for increased heart rate, weight gain or other systemic effects.

PRECAUTIONS

General Precautions: Monitor patients one month after starting ROGAINE and at least every six months afterward. Discontinue ROGAINE if systemic effects occur. The alcohol base will burn and irritate the eye. If ROGAINE reaches sensitive surfaces (eg, eye, abraded skin and mucous membranes) bathe with copious cool water.

Avoid inhaling the spray.

Do not use in conjunction with other topical agents such as corticosteroids, retinoids and petrolatum or agents that enhance percutaneous absorption. ROGAINE is for topical use only. Each mL contains 20 mg minoxidil and accidental ingestion could cause adverse systemic effects.

Decreased integrity of the epidermal barrier caused by inflammation or disease of the skin, eg, excoriations, psoriasis or severe sunburn, may increase minoxidil absorption.

Patient Information: A patient information leaflet is included with each package and in the full product information.

Drug Interactions: No drug interactions are known. Theoretically, absorbed minoxidil may potentiate orthostatic hypotension in patients taking guanethidine.

Carcinogenesis, Mutagenesis and Impairment of Fertility: No carcinogenicity was found with topical application. Oral administration may be associated with an increased incidence of malignant lymphomas in female mice and hepatic nodules in male mice. In rats, there was a dose-dependent reduction in conception rate.

Pregnancy Category C: ROGAINE should not be used by pregnant women.

Labor and Delivery: The effects are not known.

Nursing Mothers: ROGAINE should not be administered.

Pediatric Use: Safety and effectiveness have not been established under age 18.

ADVERSE REACTIONS

ROGAINE was used by 3510 patients in placebo-controlled trials. Except for dermatologic events, no individual reaction or reactions grouped by body systems appeared to be increased in the minoxidil-treated patients.

Respiratory (bronchitis, upper respiratory infection, sinusitis) 5.95%; **Dermatologic** (irritant or allergic contact dermatitis) 5.27%; **Gastrointestinal** (diarrhea, nausea, vomiting) 3.42%; **Neurology** (headache, dizziness, faintness, light-headedness) 2.56%; **Musculoskeletal** (fractures, back pain, tendinitis) 2.17%; **Cardiovascular** (edema, chest pain, blood pressure increases/decreases, palpitation, pulse rate increases/decreases) 1.28%; **Allergy** (non-specific allergic reactions, hives, allergic rhinitis, facial swelling and sensitivity) 1.03%; **Special Senses** (conjunctivitis, ear infections, vertigo) 0.94%; **Metabolic-Nutritional** (edema, weight gain) 0.60%; **Urinary Tract** (urinary tract infections, renal calculi, urethritis) 0.46%; **Genital Tract** (prostatitis, epididymitis) 0.46%; **Psychiatric** (anxiety, depression, fatigue) 0.28%; **Hematology** (lymphadenopathy, thrombocytopenia) 0.23%; **Endocrine** 0.09%.

Patients have been followed for up to 5 years and there has been no change in incidence or severity of reported reactions. Additional events reported since marketing include: eczema, hypertrichosis, local erythema, pruritus, dry skin/scalp flaking, sexual dysfunction, visual disturbances including decreased visual acuity, exacerbation of hair loss, alopecia.

DOSAGE AND ADMINISTRATION

Hair and scalp should be dry before application. 1 mL should be applied to the total affected areas twice daily. Total daily dose should not exceed 2 mL. If the fingertips are used to facilitate drug application, wash the hands afterwards.

HOW SUPPLIED

60 mL bottle with multiple applicators NDC 0009-3367-05

Caution: Federal law prohibits dispensing without a prescription.

B-1-S

Upjohn

The Upjohn Company
Kalamazoo, MI 49001 USA

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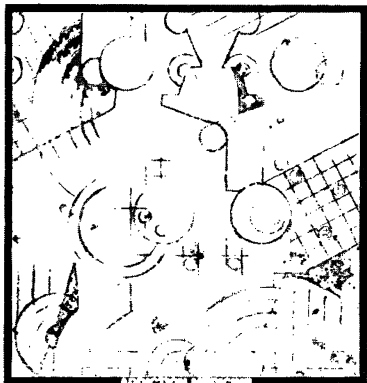
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"Information for Authors"—A complete guide to manuscript submission and *WJM* style appears

in the January and July issues. Manuscripts may be prepared in accordance with the "Uniform Requirements for Manuscripts Submitted to Biomedical Journals" (*Annals of Internal Medicine*, Feb 1988; *The Medical Journal of Australia*, Feb 1988).

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ARIZONA

The following list of continuing medical education programs in Arizona is compiled by the Arizona Medical Association. All courses listed have been certified as meeting the criteria for Category I of the ArMA CME Certificate and the AMA Physicians Recognition Award. To list Category I continuing medical education programs, please send information to Arizona Medical Association, 810 West Bethany Home Road, Phoenix, AZ 85013; or phone (602) 246-8901.

Brochures and registration forms are available from the contact person or organization sponsoring the program.

September 7-9—**Geriatrics of the 90s: Clinical Management of the Elderly Patient.** Symposia Medicus at The Princess Resort, Scottsdale. Fri-Sun. Contact: Jim Goodrich, (415) 935-7889.

September 8-9—**Pulmonary and Infectious Diseases.** Mayo Clinic-Scottsdale at Los Abrigados Resort, Sedona. Sat-Sun. Contact: Jodi Lee Smith, (602) 391-8300.

October 5-6—**Cancer Reviews.** Mayo Clinic-Scottsdale at Orange Tree Golf and Conference Center, Scottsdale. Fri-Sat. Contact: Jodi Lee Smith, (602) 391-8300.

October 19-20—**Common Clinical Problems in the Elderly and Nursing Home Care.** Arizona Geriatrics Society at Arizona Golf Resort and Conference Center, Mesa. Fri-Sat. Contact: Marian Richardson, (602) 974-4212.

CONTACT INFORMATION

ArMA—Contact: Arizona Medical Association, 810 W. Bethany Home Rd, Phoenix, AZ 85013. (602) 246-8901.

Mayo Clinic-Scottsdale—Contact: Jodi Lee Smith, Postgraduate Courses, Mayo Clinic-Scottsdale, (602) 391-8300.

U of A—Contact: University of Arizona College of Medicine, Arizona Health Sciences Center, Tucson, AZ 85724. (602) 626-6707.

CALIFORNIA, HAWAII, AND NEVADA

This listing of continuing education programs in California, Hawaii, and Nevada is supplied by the Committee on Continuing Medical Education of the California Medical Association. All courses and meetings listed have been approved for Category I credit toward the CMA Certificate in Continuing Medical Education. To have accredited courses listed here, please send information at least two months in advance to Department of Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690; or phone (415) 541-0900. For a list of organizations approved for Category I credit toward the CMA Certificate in Continuing Medical Education or for more information on accreditation or certification, please write to the above address.

ALLERGY

September 15—**Diagnostic and Therapeutic Choices in Allergy and Immunology.** Los Angeles Society of Allergy and Clinical Immunology at Regent Beverly Wilshire Hotel, Beverly Hills. Sat. 8 hrs. Contact: Sherri Cartwright, 1626 N Wilcox, No 557, Hollywood 90028. (818) 240-6735.

ANESTHESIOLOGY

September 8-9—**Case Conference in Anesthesia.** California Society of Anesthesiologists at Lake Tahoe, California. Sat-Sun. 20 hrs. \$175. Contact: CSA, 1065 E Hillsdale Blvd, Ste 410, Foster City 94404. (415) 345-3020.

October 28-November 2—**Hawaiian Seminar on Clinical Anesthesia.** California Society of Anesthesiologists at Westin Maui Hotel, Kaanapali Beach, Hawaii. Sun-Fri. 20 hrs. \$345. Contact: CSA, 1065 E Hillsdale Blvd, Ste 410, Foster City 94404. (415) 345-3020.

November 16-18—**Anesthesiology Update: 1990.** UCD at Monterey Plaza. Fri-Sun. Contact: UCD.

CARDIOLOGY

August 3-4—**Series II—Arrhythmias: Interpretation, Diagnosis, and Management.** Medical Education Resources at Disneyland Hotel, Anaheim. Fri-Sat. 11 hrs. \$295. Contact: MER, 1500 W Canal Court, Ste 500, Littleton, CO 80120-4528. (800) 421-3756.

August 17-18—**Series IV—Cardiac Wellness and Rehabilitation.** Medical Education Resources at Doubletree Inn, Monterey. Fri-Sat. 11 hrs. \$295. Contact: MER, 1500 W Canal Court, Ste 500, Littleton, CO 80120-4528. (800) 421-3756.

September 14-15—**Series I—Coronary Heart Disease Update.** Medical Education Resources at Las Vegas Hilton. Fri-Sat. 11 hrs. \$295. Contact: MER, 1500 W Canal Ct, Ste 500, Littleton, CO 80123. (800) 421-3756.

October 13—**Myocardial Infarction: Contemporary Management.** UCD at Hyatt Regency, Sacramento. Sat. Contact: UCD.

October 19-20—**Series I—Coronary Heart Disease Update.** Medical Education Resources at Grand Hyatt Union Square, San Francisco. Fri-Sat. 11 hrs. \$295. Contact: MER, 1500 W Canal Ct, Ste 500, Littleton, CO 80123. (800) 421-3756.

October 26-27—**Series II—Arrhythmias: Interpretation, Diagnosis and Management.** Medical Education Resources at Las Vegas Hilton. Fri-Sat. 12 hrs. \$275. Contact: MER, 1500 W Canal Ct, Ste 500, Littleton, CO 80123. (800) 421-3756.

KEY TO ABBREVIATIONS

- CMA: California Medical Association
Contact: Continuing Medical Education, California Medical Association, PO Box 7690, San Francisco 94120-7690. (415) 541-0900.
- DREW: Charles R. Drew Postgraduate Medical School
Contact: Herbert M. Thomas, MD, MPH, Director of CME, Office of Continuing Education, Charles R. Drew Postgraduate Medical School, 1621 East 120th Street, Los Angeles 90059. (213) 603-3183.
- LLU: Loma Linda University
Contact: James J. Couperus, MD, Associate Dean for Educational Affairs, Loma Linda University School of Medicine, Loma Linda 92350.
- PMC: Pacific Medical Center
Contact: Continuing Education, Pacific Medical Center, PO Box 7999, San Francisco 94120. (415) 563-4321, ext 2761.
- STAN: Stanford University
Contact: Edward Rubenstein, MD, Associate Dean for Postgraduate Education, Medical School Office Building, Suite X-365, Stanford 94305-6114. (415) 723-5594.
- UCD: University of California, Davis
Contact: Ruth Feryok, Director, Office of Continuing Medical Education, University of California, Davis, School of Medicine, 2701 Stockton Boulevard, Sacramento 95817. (916) 734-5390.
- UCI: University of California, Irvine
Contact: Melvin I. Marks, MD, Director, Memorial/UCI Center for Health Education, Long Beach Memorial Medical Center, 2801 Atlantic Avenue, PO Box 1428, Long Beach, California 90801-1428. (213) 595-3811.
- UCLA: University of California, Los Angeles
Contact: Martin D. Shickman, MD, Director, Continuing Education in Medicine and the Health Sciences, PO Box 24902, UCLA, Los Angeles 90024. (213) 825-7186.
- UCSD: University of California, San Diego
Contact: Office of Continuing Medical Education, University of California, San Diego, School of Medicine (M-017), La Jolla 92093. (619) 534-3940.
- UCSF: University of California, San Francisco
Contact: Janet Johnson, Administrative Director, Extended Programs in Medical Education, School of Medicine, University of California, San Francisco 94143. (415) 476-4251.
- USC: University of Southern California
Contact: Phil R. Manning, MD, Associate Dean, Postgraduate Division, University of Southern California School of Medicine, 1975 Zonal Ave, KAM314, Los Angeles 90033. (213) 224-7051.

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(Continued from Page 12)

December 1—**8th Annual Reider Laser Center: International Pulmonary Symposium on Brachytherapy and Argon and ND: YAG Lasers with ND: YAG Laser Workshop.** Memorial/UCI Center for Health Education at Long Beach. Sat. Contact: UCI.

DERMATOLOGY

August 3-4—**Southwestern Regional Cryostat and Microscopically Controlled Surgical Workshop.** UCSD. 15 hrs. Contact: Daniel E. Gormley, MD, 412 W Carroll, Ste 207, Glendora 91740. (818) 963-7684.

August 16-19—**Advanced Seminars in Dermatology.** UCSD at Catamaran Resort Hotel, San Diego. Thurs-Sun. Contact: UCSD.

October 20-21—**The Skin from A to Z.** UCSF at Laurel Heights Campus, San Francisco. Sat-Sun. Contact: UCSF.

EMERGENCY MEDICINE

August 1-5—**Wilderness Medicine: '90.** American College of Emergency Physicians at Squaw Valley Lake Tahoe, Nevada. Wed-Sun. 22 hrs. \$395. Contact: Eugene Allred, MD, PO Box 321, Yreka 96097. (800) 888-5632.

August 20-24—**Emergency Medicine Symposium II: Trauma and Surgery.** UCSD at La Jolla Marriott. Mon-Fri. 32 hrs. \$450. Contact: UCSD.

October 11-13—**Recent Advances in Pulmonary and Critical Care Medicine.** UCSF at Hyatt Union Square. Thurs-Sat. 15 hrs. \$375. Contact: UCSF.

October 22-26—**Postgraduate Institute for Primary Care and Emergency Physicians Symposium I: Cardiology, Pulmonary, Neurology.** Mon-Fri. 32 hrs. \$450. Contact: UCSD.

October 29-November 3—**Topics in Emergency Medicine.** UCSF at Holiday Inn Golden Gate. Mon-Sat. 32 hrs. \$460. Contact: UCSF.

November 12-16—**Emergency Medicine Symposium III: Pediatrics, OB/GYN, Legal Aspects, Dermatology.** UCSD at Hyatt Regency, La Jolla. Mon-Fri. 32 hrs. \$450. Contact: UCSD.

December 10-14—**Emergency Medicine Symposium II: Trauma and Surgery.** UCSD at La Jolla Marriott. Mon-Fri. 32 hrs. \$485. Contact: UCSD.

FAMILY PRACTICE/PRIMARY CARE

July 19-21—**Rheumatology and Arthritis: A Conference for Primary Care Physicians.** Sharp Memorial Hospital at Catamaran Resort Hotel, San Diego. Thurs-Sat. 13 hrs. \$250. Contact: Sharp Memorial Hospital, 7901 Frost St, San Diego 92123. (619) 541-3525.

August 24-26—**3rd Coronado Summer Conference on Primary Care Medicine: A Practical Approach.** Scripps Clinic and Research Foundation at Le Meridien Hotel Coronado Island, San Diego. Fri-Sun. 15 hrs. \$275. Contact: Heidi Jurgens, Box 400S, 10666 N Torrey Pines Rd, La Jolla 92037. (619) 554-8556.

October 3-5—**Primary Care Medicine: Principles and Practice.** UCSF at Holiday Inn Golden Gateway, San Francisco. Wed-Fri. 19 hrs. \$425. Contact: UCSF.

INTERNAL MEDICINE

August 19-24—**New Advances in Internal Medicine.** UCD at Hyatt Regency, Monterey. Sun-Fri. Contact: UCD.

September 13-15—**3rd Annual New Advances in Common Neurologic Disorders.** UCSD at Catamaran Resort Hotel, San Diego. Thurs-Sat. 14 hrs. \$300. Contact: Meeting Management, 5665 Oberlin Dr, Ste 110, San Diego 92121. (619) 453-6222.

September 14-16—**Gastroenterology.** UCSF at San Francisco Hilton and Towers. Fri-Sun. 17 hrs. \$415. Contact: UCSF.

October 18-20—**Breast Cancer Seminar.** Memorial/UCI Center for Health Education at Stouffer Hotel, Palm Springs. Thurs-Sat. Contact: UCI.

October 22-24—**14th Annual Cancer Symposium.** Scripps Memorial Hospital at Sheraton Harbor Island Hotel, San Diego. Mon-Wed. 20 hrs. \$390. Contact: Meeting Management, 5665 Oberlin Dr, Ste 110, San Diego 92121. (619) 453-6222.

October 20—**Lipids Conference.** UCD at Sheraton Sunrise, Sacramento. Sat. Contact: UCD.

November 9-10—**Metabolic Control of Diabetes.** Memorial/UCI Center for Health Education at Westin South Coast Plaza, Costa Mesa. Fri-Sat. Contact: UCI.

November 30-December 1—**Northern California Internal Medicine Update.** UCD at Hilton Inn. Fri-Sat. Contact: UCD.

OB/GYN

August 17-19—**3rd Annual Perinatal Review.** Memorial/UCI Center for Health Education at Four Seasons Hotel, Newport Beach. Fri-Sun. Contact: UCI.

August 21-25—**8th Annual Controversies in OB/GYN.** Memorial/UCI Center for Health Education at Mauna Kea, Hawaii. Tues-Sat. Contact: UCI.

November 8-11—**Current Issues in Perinatal Medicine.** Memorial/UCI Center for Health Education at Marriott's Rancho Las Palmas Resort, Palm Springs. Thurs-Sun. Contact: UCI.

November 11-17—**13th Annual Review Course in Clinical OB/GYN and/or Gynecological Histopathology.** Memorial/UCI Center for Health Education at Westin South Coast Plaza, Costa Mesa. 1 week. Contact: UCI.

November 29-December 1—**Nebraska OB/GYN Society Meeting.** Nebraska OB/GYN at Las Vegas, Nevada. Thurs-Sat. Contact: University of Nebraska Medical Center, 42nd and Dewey Ave, Omaha, NE 68105-1065. (402) 559-4152.

OCCUPATIONAL AND ENVIRONMENTAL MEDICINE

July 23-27—**4th Annual Sports Medicine.** UCSD at San Diego Princess. Mon-Fri. 22 hrs. \$350. Contact: UCSD.

October 2-7—**Sports Medicine Update.** Memorial/UCI Center for Health Education at Mauna Kea Hotel, Hawaii. Tues-Sun. Contact: UCI.

October 8-19—**Occupational and Environmental Medicine Session II.** UCSF at Cathedral Hill Hotel, San Francisco. 1½ weeks. 80 hours. \$1,200. Contact: UCSF.

October 15-19—**Current Topics in Occupational Medicine.** UCSF at Cathedral Hill Hotel, San Francisco. Mon-Fri. 40 hrs. \$600. Contact: UCSF.

OPHTHALMOLOGY

August 26-30—**Ophthalmology Update: 1990.** UCD at Hyatt Lake Tahoe, Incline Village, Nevada. Sun-Thurs. Contact: UCD.

August 26-29—**External Disease: Diagnosis and Management for the 1990's.** UCD at Hyatt Regency Lake Tahoe, Incline Village, Nevada. Sun-Wed. 13 hrs. \$350. Contact: UCD.

September 14-16—**Uveitis/Retinal Frontiers: Diagnostic, Medical and Surgical Approaches to Uveitis.** UCSF at Carmel Valley Ranch Resort. Wed-Fri. Contact: UCSF.

November 30-December 2—**American Academy of Ophthalmology Regional Update Course.** American Academy of Ophthalmology at Los Angeles. Fri-Sun. Contact: Gary Holland, (213) 825-9508.

ORTHOPAEDICS

October 4-6—**Orthopaedic Update.** UCSD at Hyatt La Jolla. Thurs-Sat. Contact: Pat Curl, PO Box 33185, San Diego 92103. (619) 692-9115.

PATHOLOGY

October 4-6—**International Symposium on Medical Virology.** UCI at Four Seasons Hotel, Newport Beach. Thurs-Sat. Contact: Luis M. de la Maza, (714) 634-6868.

October 12-14—**8th Postgraduate Course in Medical Mycology (Dermatomycology).** UCSF. Fri-Sun. 16 hrs. Contact: UCSF.

October 19—**Fine Needle Aspiration Tutorials.** UCSF. Fri. 7 hrs. Contact: UCSF.

(Continued on Page 94)

CONTINUING MEDICAL EDUCATION

(Continued from Page 14)

October 20—**30th Annual Scientific Symposium on Kidney Disease.** National Kidney Foundation of Southern California at Wyndham Palm Springs. Sat. Contact: Sylvie Tarro, 5777 W Century Blvd, Ste 395, Los Angeles 90045. (213) 641-8152.

November 2-3—**Update on Thyroid Disease—1990.** UCSF at Hyatt Regency Embarcadero, San Francisco. Fri-Sat. 12 hrs. \$150. Contact: UCSF.

PEDIATRICS

September 7-8—**Pediatrics and Environmental Health: The Pediatrician as Investigator, Educator, and Advocate.** Children's Hospital Oakland at Berkeley Conference Center. Fri-Sat. 12 hrs. \$85. Contact: Joy Carlson, EPI Training Project, 5900 Hollis St, No. E, Emeryville 94608. (415) 540-3657.

October 7-14—**15th Annual Pediatrics for the Practitioner.** Memorial/UCI Center for Health Education at Mauna Kea Hotel, Hawaii. 1 week. Contact: UCI.

November 9-11—**Infectious Diseases in Children.** Children's Hospital Oakland at Monterey Plaza Hotel on Cannery Row. Fri-Sun. 12 hrs. \$280. Contact: Kim Leadon, 747 52nd St, Oakland 94609. (415) 428-3021.

PSYCHIATRY

August 2-4—**Sexual Problems of Adults Molested as Children.** UCLA at Disneyland Hotel, Anaheim. Thurs-Sat. 13 hrs. \$375. Contact: UCLA.

October 19-21—**Creating an Integrated Psychiatry: Challenge of the 90's.** California Psychiatric Association at Claremont Hotel, Berkeley. Fri-Sun. 11 hrs. Contact: Barbara Gard, 1100 N St, Ste 2-E, Sacramento 95814. (916) 442-5196.

November 9-11—**36th Annual Group Therapy Symposium.** UCSF at Sir Francis Drake Hotel, San Francisco. Fri-Sun. Contact: UCSF.

November 12-16—**Introduction to Medical Hypnosis.** UCSD at Inn at Del Mar. Mon-Fri. Contact: UCSD.

RADIOLOGY

July 22-26—**Napa Valley Imaging Update: MRI 1990.** UCD at Silverado Country Club, Napa. Sun-Thurs. 17 hrs. \$445. Contact: UCD.

July 23-25—**Musculoskeletal Imaging.** Hoag Memorial Hospital, Department of Radiology at Ritz-Carlton Resort Hotel, Laguna Niguel. Mon-Wed. 15 hrs. \$350. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

July 26-29—**4th Annual Symposium on Magnetic Resonance Imaging.** Hoag Memorial Hospital, Department of Radiology at Ritz-Carlton Resort Hotel, Laguna Niguel. Thurs-Sun. 22 hrs. \$425. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

August 17-19—**Advanced Seminars in Diagnostic Imaging.** UCSD at Ritz-Carlton Resort Hotel, Laguna Niguel. Fri-Sun. 18 hrs. \$400. Contact: UCSD.

August 18-19—**Intravascular Ultrasound Imaging.** Memorial/UCI Center for Health Education at Anaheim Hilton Hotel. Sat-Sun. Contact: UCI.

August 23-28—**6th Annual Physics and Biology of Radiology.** UCSD at Hanalei Hotel, San Diego. Thurs-Tues. 25 hrs. \$395. Contact: UCSD.

September 6-8—**6th Annual Sonography Update Conference and Exhibit.** UCSD at Hotel del Coronado, San Diego. Thurs-Sat. 18 hrs. \$395. Contact: UCSD.

September 7-10—**6th Annual Sonography Update for Physicians and Sonographers.** UCSD at Hotel del Coronado, San Diego. Fri-Mon. 18 hrs. \$375. Contact: UCSD.

September 8-9—**Sonography Registry Review.** UCSD at Hotel del Coronado, San Diego. Sat-Sun. 16 hrs. \$200. Contact: UCSD.

October 6-7—**Ultrasound: 1990.** UCD at Red Lion Inn, Sacramento. Sat-Sun. 10 hrs. \$195. Contact: UCD.

October 20-21—**Advanced Imaging of the Musculoskeletal System.** UCSD at Hotel del Coronado. Sat-Sun. 12 hrs. \$125. Contact: UCSD.

October 22-26—**15th Annual San Diego Postgraduate Course.** UCSD at Hotel del Coronado, San Diego. Mon-Fri. 27 hrs. \$300. Contact: UCSD.

October 26-28—**10th Annual Interventional Radiology.** UCSD at Hotel del Coronado, San Diego. Fri-Sun. 18 hrs. \$350. Contact: UCSD.

November 9-11—**Advanced Seminars in Diagnostic Imaging.** UCSD at Ritz-Carlton Resort Hotel, Laguna Niguel. Fri-Sun. 20 hrs. \$400. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077-1925. (404) 641-9773.

December 7-9—**Advanced Seminars in Diagnostic Imaging.** UCSD at Ritz-Carlton Resort Hotel, Laguna Niguel. Fri-Sun. 18 hrs. \$400. Contact: UCSD.

SURGERY

September 1990-December 1990—**Temporal Bone Surgical Dissection Courses: 1990.** House Ear Institute, 5 days per month. 53 hrs. \$975. Contact: Antonio De la Cruz, MD, Director of Education, House Ear Institute, 256 S Lake St, Los Angeles 90057. (213) 485-4431.

July 17-21—**6th Annual Superficial Anatomy and Cutaneous Surgery.** UCSD at La Jolla Marriott. Tues-Sat. Contact: UCSD.

August 8-11—**Sharp Surgical Review Course.** Sharp Memorial Hospital at Le Meridien Hotel, San Diego. Wed-Sat. 14 hrs. \$350. Contact: Sharp Memorial, 7901 Frost St, San Diego 92123. (619) 541-3525.

October 6-8—**Anatomic Basis for Aesthetic Surgery: Hands-On Laboratory Course.** UCD at Hyatt Regency, Davis. Sat-Mon. Contact: UCD.

OF INTEREST TO ALL PHYSICIANS

July 19-22—**Radiology for Non-Radiologists.** UCSD at Hotel del Coronado, San Diego. Thurs-Sun. 26 hrs. \$295. Contact: Dawne Ryals, PO Box 1925, Roswell, GA 30077. (404) 641-9773.

July 23-27—**4th Annual Sports Medicine.** UCSD at San Diego Princess. Mon-Fri. Contact: UCSD.

September 10-14—**Hyperbaric Medicine.** UCI/Memorial Medical Center at Long Beach. Mon-Fri. 30 hrs. \$650. Contact: Celia Loney, 2801 Atlantic Ave, PO Box 1428, Long Beach 90891. (213) 595-2000.

November 9-10—**2nd Annual Symposium—Diagnosis and Treatment of Bone and Soft Tissue Tumors: A Multidisciplinary Approach.** UCD at Hyatt Regency, Sacramento. Fri-Sat. 14 hrs. \$345. Contact: UCD.

November 12-16—**Hyperbaric Medicine.** UCI/Memorial Medical Center at Long Beach. Mon-Fri. 30 hrs. \$650. Contact: Celia Loney, 2801 Atlantic Ave, PO Box 1428, Long Beach 90891. (213) 595-2000.

December 6—**Common Musculoskeletal Problems—Foot and Ankle.** VA Medical Center Sepulveda. Thurs. 5 hrs. Contact: Arun Mehta, MD, Rehabilitation Medicine Service (117), VAMC Sepulveda 91343. (818) 895-9344.

COLORADO

This listing of continuing medical education programs in Colorado is compiled by the Denver Medical Society. To list CME programs here, please send information at least two months in advance to: Mr Robert L. Kennedy, Denver Medical Society, 1850 Williams Street, Denver, CO 80218; or telephone (303) 377-1850.

Brochures, course information, and registration forms are available from the contact person or organization.

July 18-21—**Insulin Dependent Diabetes.** Barbara Davis Center for Childhood Diabetes, the Children's Diabetes Foundation, and CU School of Medicine at Keystone Inn, Keystone. Wed-Sat. Contact: U of Colo.

July 23-27—**3rd Annual Colorado Geriatric Symposium.** U of Colo at the Given Institute, Aspen. Mon-Fri. Contact: U of Colo.

July 30-August 3—**Dynamic Psychotherapy.** U of Colo at the Given Institute, Aspen. Mon-Fri. Contact: U of Colo.

August 5-9—**Annual Pediatric Program.** U of Colo at the Given Institute, Aspen. Sun-Thurs. Contact: U of Colo.

(Continued on Page 96)

CONTINUING MEDICAL EDUCATION

(Continued from Page 94)

- August 6-8—**Newborn Respiratory Therapy Traineeship.** The Children's Hospital, Denver. Mon-Wed. Contact: Jeff Griebel, (303) 861-6227.
- August 6-10—**Respiratory Therapy Traineeship.** The Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6227.
- August 12-18—**Annual Primary Care Orthopedics.** U of Colo at the Given Institute, Aspen. One week. Contact: U of Colo.
- August 14-18—**Aspen Basic/Clinical Science: Neuroscience.** U of Colo at the Given Institute, Aspen. Tues-Sat. Contact: U of Colo.
- August 20-24—**Annual Internal Medicine Board Review.** U of Colo, Denver. Mon-Fri. Contact: U of Colo.
- September 4, 11, 18—**OB Nursing in the 1990s.** The Children's Hospital at University Hospital, Denver. Tues. Contact: Trish Beachy, (303) 270-8376.
- September 10-14—**Family Practice Review.** U of Colo, Denver. Mon-Fri. Contact: U of Colo.
- October 10-11—**Physician Preceptorship Program.** The Children's Hospital, Denver. Wed-Thurs. Contact: Pat Winter, (303) 861-6668.
- October 17-19—**Care of the Sick Newborn Conference.** The Children's Hospital, Denver. Wed-Fri. Contact: Conference Dept, Children's Hospital, (303) 861-6945.
- October 22-26—**Rural Perinatal Traineeship (Level 1).** The Children's Hospital, Denver. Mon-Fri. Contact: Christie Sievers, (303) 861-5413.
- November 2-3—**Fort Collins Perinatal Conference.** The Children's Hospital at the Marriott Hotel, Fort Collins. Fri-Sat. Contact: Christie Sievers, (303) 861-6413.
- November 9-10—**Western Slope Conference.** The Children's Hospital at the Red Lion Inn, Durango. Fri-Sat. Contact: Christie Sievers, (303) 861-6413.
- November 12-16—**Rural Perinatal Traineeship (Level II).** The Children's Hospital, Denver. Mon-Fri. Contact: Christie Sievers, (303) 861-6413.
- December 3-7—**Respiratory Therapy Traineeship.** The Children's Hospital, Denver. Mon-Fri. Contact: Jeff Griebel, (303) 861-6227.
- January—**Perinatal Continuing Education Program.** The Children's Hospital, Denver Community Hospital-based, 40-week, self-study program for all perinatal healthcare providers. Contact: Pat Winter, (303) 861-6668.

CONTACT INFORMATION

U of Colo—Contact: University of Colorado School of Medicine, Office of Continuing Medical Education, 4200 E 9th Ave, Denver, CO. (303) 270-5195.

IDAHO

- July 26-28—**Idaho Medical Association—Annual Meeting.** Sun Valley. Thurs-Sun. Contact: Idaho Medical Association, 305 W Jefferson, PO Box 2668, Boise 83701. (208) 344-7888.

NEW MEXICO

Information, requests for accreditation, and items to be listed should be sent to the chair of the CME Committee, New Mexico Medical Society, 7770 Jefferson, Suite 400, Albuquerque, NM 87109, at least two months in advance. For information on CME accreditation or on the CME requirements of the New Mexico Board of Medical Examiners, please write to the above address or call (505) 828-0237.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution for current details.

- July 19—**Neonatal Resuscitation.** St Vincent Hospital, Santa Fe. Thurs. Contact: Jennifer Johnson, MD, 455 St Michael's Dr, Santa Fe 87501. (505) 983-3361.

- July 19-21—**Current Concepts in General Surgery.** Hilton Hotel, Albuquerque. Thurs-Sat. Contact: UNM SOM, Office of CME, PO Box 713, Albuquerque 87131. (505) 277-3942.

- July 21—**Casting Traction and Orthotics: A Hands-On Experience.** Marriott Hotel, Albuquerque. Sat. Contact: Rebecca Carpenter, RN, St Joseph Medical Center, 400 Walter, NE, Albuquerque 87102. (505) 848-8610.

- August 16—**Neonatal Resuscitation.** St Vincent Hospital, Santa Fe. Thurs. Contact: Jennifer Johnson, MD, 455 St Michael's Dr, Santa Fe 87501. (505) 983-3361.

- September 6-8—**Perinatal Care Update.** Hilton Hotel, Albuquerque. Thurs-Sat. Contact: UNM SOM, Office of CME, PO Box 713, Albuquerque 87131. (505) 277-3942.

- September 7—**The Wounded Healer: Becoming a Healthy Healer.** Memorial Hospital, Albuquerque. Fri. Contact: Janice Frank, 806 Central, SE, Albuquerque 87102. (800) 448-9238 or (505) 247-0220.

- September 14-15—**Essentials of Health Care for the Elderly.** Albuquerque Convention Center. Fri-Sat. Contact: UNM Office of Continuing Medical Education, PO Box 713, Albuquerque 87131. (505) 277-3942.

- September 21-22—**Southwest Psychiatric Symposium on Substance Abuse.** Hyatt Regency, Albuquerque. Fri-Sat. Contact: UNM Office of Continuing Medical Education, PO Box 713, Albuquerque 87131. (505) 277-3942.

- October 4-6—**Management of Radiation Accidents.** Sheraton Old Town Hotel, Albuquerque. Thurs-Sat. Contact: UNM Office of Continuing Medical Education, PO Box 713, Albuquerque 87131. (505) 277-3942.

- October 11-13—**Second International Symposium on Intrapartum Biochemical Monitoring of the Fetus.** Hyatt Regency, Albuquerque. Thurs-Sat. Contact: UNM Office of Continuing Medical Education, PO Box 713, Albuquerque 87131. (505) 277-3942.

- October 12-13—**John N. Wilson, MD: Lectureship in Cardiovascular Diseases.** Hyatt Regency, Albuquerque. Fri-Sat. Contact: Ann Nelson, Presbyterian Heart Institute Foundation, PO Box 26666, Albuquerque 87125. (505) 841-1225.

- October 19-20—**Cancer Update 1990.** Clarion Four Seasons Hotel, Albuquerque. Contact: UNM Office of Continuing Medical Education, PO Box 713, Albuquerque 87131. (505) 277-3942.

- October 20-21—**Common Problems in Pediatric Pulmonary Disease.** Santa Fe Hilton. Contact: Joe Dean, MD, 813 N Washington, Roswell 88201. (505) 622-2606.

UTAH

This listing of continuing medical education courses in Utah is compiled and edited by the CME office of the Utah Medical Association. All courses listed have been certified by CME accredited institutions as meeting the criteria for Category 1 of the Physician's Recognition Award of the American Medical Association. They also must meet the definition of Utah Approved CME Credit for the purpose of medical license reregistration in Utah. Accredited institutions wishing to list AMA Category 1/Utah Approved CME courses here should send information at least two months in advance to the Office of Continuing Medical Education, 540 East Fifth South, Salt Lake City, UT 84102; or phone (801) 355-5290. For information on CME accreditation or on the CME requirements of the Utah Physicians' Licensing Board, please write the CME office at the above address.

NOTE: Course information in the following listing is subject to change on occasion. Check with the sponsoring institution or the CME office for current details.

(Continued on Page 97)

CONTINUING MEDICAL EDUCATION

(Continued from Page 96)

MEDICAL GRAND ROUNDS

Each Wed—8:00-9:00 a.m. Alternating between University of Utah Medical Center and VA Medical Center, Salt Lake City. Contact: William D. Odell, MD, PhD, Professor and Chairman, Dept of Internal Medicine, Univ of Utah, (801) 581-7606.

* * *

July 25-27—**12th Annual Common Problems in Pediatrics** (Sponsor: UUMC). Wed-Fri. University Park Hotel, Salt Lake City. Contact: (801) 466-3500.

October 4-5—**Ethics and Health** (Sponsor: UUMC). Thurs-Sat. University of Utah Alumni House, Salt Lake City. Contact: (801) 581-8664.

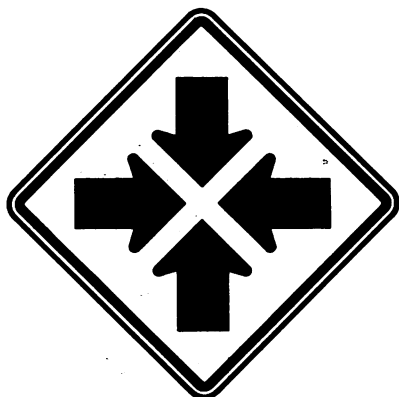
October 11-12—**Proper Prescribing of Controlled Substances** (Sponsor: UMA and UUMC). Thurs-Fri. University Park Hotel, Salt Lake City. Contact: UMA.

SPONSORS OF COURSES—ABBREVIATIONS

AHA: American Heart Association, Utah Affiliate, 645 E 400 South, Salt Lake City 84102. (801) 322-5601.
 BYUHS: Brigham Young University Health Services, McDonald Student Health Center, Brigham Young University, Provo 84602. (801) 378-2771.
 CH: Castleview Hospital (formerly Carbon Hospital), RFD 2, Box 46, Price 84501. (801) 637-4800.
 CWH: Cottonwood Hospital, 5770 S 300 East, Salt Lake City 84101. (801) 262-3461.
 DMC: Dixie Medical Center, 544 S 400 East, St George 84770. (801) 673-9681.

HCH: Holy Cross Hospital, 1045 E First South, Salt Lake City 84102. (801) 350-4744.
 ITS: Intermountain Thoracic Society, 1616 S 11th East, Salt Lake City 84105. (801) 484-4456.
 LDSH: LDS Hospital, 8th Ave and "C" St, Salt Lake City 84143. (801) 321-1100.
 LRH: Logan Regional Hospital, 1400 N 5th East, Logan 84321. (801) 752-2050.
 MDH: McKay-Dee Hospital Center, 3939 Harrison Blvd, Ogden 84409. (801) 399-4141.
 MVH: Mountain View Hospital, 1000 E Highway 6, Payson 84651. (801) 465-9201.
 144: 144th Evacuation Hospital, PO Box 8000, Salt Lake City 84108. (801) 524-3924.
 OSS: Ogden Surgical Society, PO Box 9311, Ogden 84409.
 PCMC: Primary Children's Medical Center, 320 12th Ave, Salt Lake City 84103. (801) 363-1221.
 PVH: Pioneer Valley Hospital, 3460 S 4155 West, West Valley City 84120. (801) 968-9061.
 SMH: St Mark's Hospital, 1200 E 3900 South, Salt Lake City 84117. (801) 268-7111.
 UMA: Utah Medical Association, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.
 UOS: Utah Ophthalmological Society, 540 E 500 South, Salt Lake City 84102. (801) 355-7477.
 USH: Utah State Hospital, PO Box 270, Provo 84603-0270. (801) 373-4400.
 UUMC: University of Utah Medical Center, 50 N Medical Dr, Salt Lake City 84132. (801) 581-2258.
 UVRMC: Utah Valley Regional Medical Center, 1034 N Fifth West, Provo 84604. (801) 373-7850.
 VAMC: Veterans Administration Medical Center, 500 Foothill Dr, Salt Lake City 84148. (801) 582-1565.
 VVMC: Valley View Medical Center, 595 S 75 East, Cedar City 84720. (801) 586-6587.

(Continued on Page 98)



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CONTINUING MEDICAL EDUCATION

(Continued from Page 97)

WASHINGTON

The listing of continuing medical education programs in Washington state is compiled by the Washington State Medical Association. To list Category 1 programs here please send information at least two months in advance to Continuing Medical Education, Washington State Medical Association, 2033 Sixth Avenue, Suite 900, Seattle, WA 98121; or phone (206) 441-WSMA.

Brochures and registration forms are available from the contact person or organization listed at the end of each course or in the list of course sponsors and contact information.

August 2-4—**Imaging**. Coeur d'Alene Resort. Thurs-Sat. Contact: Sacred Heart Medical Center, Dept of Radiology, (509) 455-3352.

August 9-10—**Pacific NW Vascular Symposium**. Seattle. Thurs-Fri. Contact: Swedish Hospital, (206) 386-2265.

September 20—**Orthopedics**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute, (206) 258-6322.

September 20-21—**Critical Care 90**. Tacoma. Thurs-Fri. Contact: Multicare, (206) 594-1221.

October 11—**Diabetes**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute, (206) 258-6322.

October 16-19—**Indoor Radon and Lung Cancer: Reality or Myth**. Richland. Tues-Fri. Life Sciences Center, Battelle, Pac NW Lab. (509) 376-3665.

October 19—**24th Annual Cancer Conference: Gastrointestinal Cancer in the 90s**. Seattle. Fri. Contact: VMMC.

October 20—**Practice Update for Rural Physicians**. Seattle. Sat. Contact: VMMC.

November 2—**Diabetes, 1990**. Seattle. Fri. Contact: VMMC.

November 8—**Pediatrics**. Everett. Thurs. Contact: Pacific Northwest Medical Education Institute, (206) 258-6322.

November 9—**Medical and Surgical Update for Psychiatrists**. Seattle. Fri. Contact: VMMC.

December 7—**Practical Pediatrics**. Seattle. Fri. Contact: VMMC.

COURSE SPONSORS AND CONTACT INFORMATION

CME HARBORVIEW—Contact: Gayle Splater, Cytology Continuing Education, Dept. of Pathology, Harborview Medical Center, 325 Ninth Avenue, Seattle, WA 98104. (206) 223-5953.

CME PIERCE COUNTY—Contact: Mrs Maxine Bailey, Executive Director, College of Medical Education, 705 South Ninth, No. 203, Tacoma, WA 98405. (206) 627-7137.

U/W (UNIVERSITY OF WASHINGTON)—Contact: U/W School of Medicine, Div. of CME, SC-50, Seattle, WA 98195. (206) 543-1050.

WSMA—Washington State Medical Association, Continuing Medical Education, 2033 Sixth Ave, Suite 900, Seattle, WA 98121. (206) 441-9762.

VMMC (VIRGINIA MASON MEDICAL CENTER)—Contact: Linda Orgel, Division of Continuing Medical Education, Virginia Mason Medical Center, PO Box 900, Seattle, WA 98111. (206) 223-6898.

WYOMING

August 8-11—**American College of Surgeons, Montana-Wyoming Chapter**. Jackson Hole. Wed-Sat. Contact: Robert C. Ratcliff, MD, 940 E Third St, Casper 82601. (307) 577-4223. ♦

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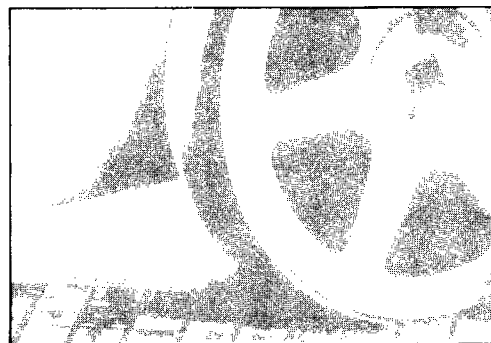
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Authors are urged to seek clarity and succinctness in all manuscripts regardless of subject matter or format and to give close attention to syntax, grammar, and spelling.

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The original manuscript and *two* copies should be submitted on heavy bond paper (8½ by 11 inches, *not* erasable), typed *double-spaced throughout* (including legends, tables, and references) on one side of the paper, with 1½-inch margins. Articles should not exceed 3,000 words (less than 15 text pages typed double-spaced). Under exceptional circumstances only will articles longer than 4,000 words be published. Pages should be numbered consecutively, beginning with the title page. Manuscripts produced with a dot-matrix printer are ordinarily not acceptable.

Style

Abbreviations. Use of abbreviations should be minimized. If they are necessary, abbreviations should be spelled out at first mention, with the abbreviation itself immediately following in parentheses.

Weights and measures. Use *Système International (SI)* units throughout the manuscript. Provide metric equivalents for all SI units; they will be noted parenthetically in the published text.

Temperatures. Temperature readings should be given first in Celsius, followed by the Fahrenheit equivalent in parentheses.

Drug names. If the trade name of a drug is used, the generic name, including salt or ester, should be given first, followed by the trade name in parentheses. Trade names are capitalized, generic names are not.

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Titles are best when brief and concise. The title page should include the full name of the author(s), with degrees, academic or professional titles, complete addresses, and any institutional or other affiliations. The complete name and address of the person who will handle reprint requests also should appear on this page.

Abstract

The abstract (approximately 150 words) should be a short summary, saying in brief what is said at length in the body of the article—rather than such and such "is discussed," "is presented," or "was investigated."

Tables and Figures

Tables

Each table should be typed on a separate sheet of paper, be numbered consecutively in Arabic numerals, have a brief descriptive title, and have its position indicated in the text.

Illustrations (Figures)

Three sets of clear, unmounted black and white glossy prints of figures should be submitted (preferably 5 by 7 inches, but no larger than 8½ by 11 inches). For line drawings, original artwork or glossy prints are acceptable. Illustrations should be numbered consecutively in Arabic numerals and the position indicated in the text. Figure number, first author's name and top of the photo should be shown on the reverse side of each illustration. Recognizable photographs of patients are to be masked and written permission for publication obtained from the patients.

Legends

All legends for figures should be typed together on a separate sheet of paper. Magnification and stain for photomicrographs should be indicated in parentheses.

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If an illustration or table has been used previously in another publication, written permission for its use must be obtained from the publisher and should accompany the manuscript. The source should be acknowledged in the legend if it can be done briefly by citation of a reference number. Otherwise, acknowledgment is made at the end of the figure legend or at the bottom of the table.

References

References should be limited to those cited in the text and should be to medical, scientific, or scholarly publications. (Mass circulation periodicals are referenced in parentheses in the text.) They must be typed double-space and numbered consecutively as they appear in the manuscript. (See examples below for style.) Abbreviations of journal titles should conform to those used in *Index Medicus*.

Journal Articles

Note handling of multiple authorship. If more than three authors are listed as contributors, use "et al" to designate those names after the first three. Also note capitalization, punctuation, use of inclusive page numbers, and year of publication. Separate the subtitle from the title by either a dash or a colon. Use colon *only* if it appears in the original citation.

1. Jones JS, Anderson HW, Johnson DW, et al: The athletic heart revisited—Sudden death of a 28-year-old athlete. *JAMA* 1978; 292:444-456

2. Graybill JR, Alford RH, Smith RG, et al: Cell-mediated immunity in cryptococcosis: A brief review. *Cell Immunol* 1978; 7:76-79

Books

Note handling of "edition," "editor(s)," and "volume," as well as appropriate sequence of reference information and capitalization of chapters and titles.

3. Berne EJ, Smith TL: Role playing in therapy, chap 2, *Principles of Group Therapy*. New York, Oxford University Press, 1966, pp 35-51 (*author of chapter same as author of book*)

4. Munsung JM: The role of drugs, chap 2, *In* Brest AN, Mayer JH (Eds): *Hypertension—Vol 2, Therapy*, 2nd Ed. Springfield, Ill, Charles C Thomas, 1961, pp 456-479 (*author of chapter different from authors of book*)

Pamphlets, Monographs, or Books With No Given Author

5. AMA Department of Drugs: *AMA Drug Evaluation*, 3rd Ed. Littleton, Mass, Publishing Sciences Group, 1977 (*corporate author*)

6. *Compilation of Standard Definitions*, 3rd Ed. Philadelphia, American Society for Testing and Materials, 1976 (*no given author; give name and place of publisher*)

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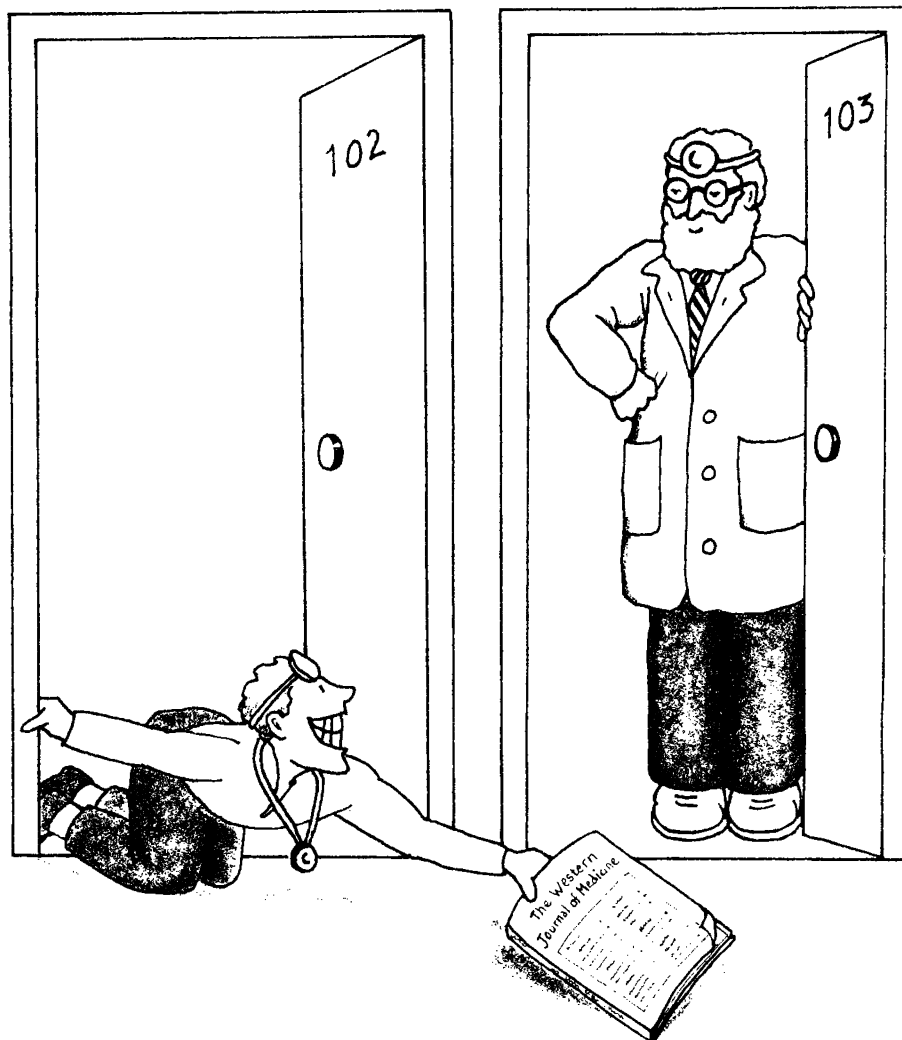
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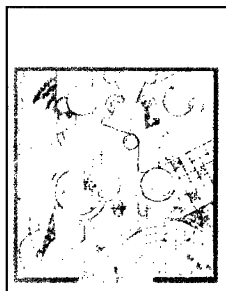
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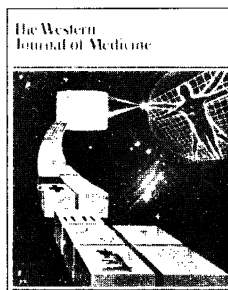
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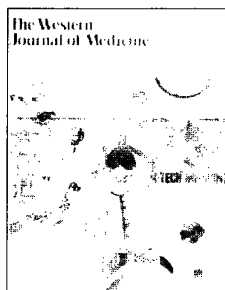
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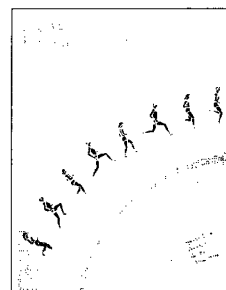
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